

# Elizabeth Rockey Seidle

Data Science and Machine Learning



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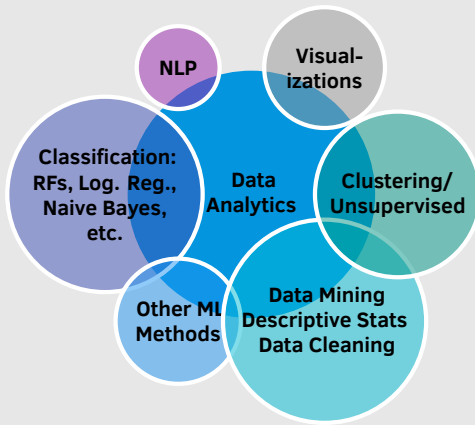


/in/elizabeth-seidle/



/ElizabethSeidle/Portfolio

## Skills



## Tools

R (Dplyr, Caret, stringr, etc.)

Python (Numpy, Pandas, NLTK, etc.)

SPSS

SQL, SAS, VBA, Gephi

Java, HTML, Docker, NoSQL

PowerBI

ggplot, plotly, gganimate, Matplotlib

## References

Available upon request.

## Education

2019 - 2020 **Data Analytics, MPS**

Penn State University

Relevant Courses: Applied Statistics, Data Mining, Regression Methods, ANOVA Methods, Predictive Analytics, Java Programming, Database Design Concepts, Large-scale Database and Warehouse, Data-Driven Decision Making, Data Collection and Cleaning, Analytics Programming in Python

2019 - 2021 **Applied Statistics, Graduate Certificate**

Penn State University

2010 - 2014 **Psychology, BS with honors**  
**Labor Studies, BS**

Schreyer Honors College, Penn State University

## Work Experience

2019 - **Data Analytics Consultant**

Outreach Analytics and Reporting

- Use data analytics to support and evaluate student success and retention initiatives
- Data liaison for the Commission of Adult Learners
- Build PowerBI dashboards

2016 - 2019 **Training Grand Coordinator**

Strategic Interdisciplinary Research Office

- Complete the requisite data reporting for training grant applications using institutional and national data and summarize data within the text narrative of the proposal
- Support faculty with large and/or strategic proposal development

2012 - 2016 **Senior Research Assistant and Study Coordinator**

Relationship and Stress Lab

- Study design, project management, data collection, data cleaning, and data analysis on various projects

2014 - 2015 **Research Assistant**

Center for International Human Resources Studies

- Data collection, data cleaning, and data analysis on CRANET study
- Presented CRANET data findings at the center's Inaugural Speakers Series seminar
- Designed and implemented survey and collected, cleaned, and analyzed data for Union-worker project

2014 - 2015 **Research Assistant**

Cognitive Neuropsychology Lab

- Neuropsychological testing for a post-concussion symptom study and scored testing batteries
- Data entry and data reliability checking

## Conference Presentations

- Leveraging Data Visualizations to Expand Awareness Around Student Success. 2020 Poster, National Symposium on Student Retention Annual Conference
- Understanding the Name of the Game: Inside a National Science Foundation (NSF) Panel Review. 2018 Pre-Conference Workshop, National Organization of Research Development Professionals 10th Annual Conference
- Separating the Wheat: Inside a National Science Foundation (NSF) Review Panel. 2017 Conference Session, Society for Research Administrators International Annual Conference
- Men with a History of Childhood Maltreatment Who Perceive Their Wives as Threatening Perpetrate More Intimate Partner Violence. 2015 Poster, Association for Behavioral and Cognitive Therapies